

UTILITY  
PATENT APPLICATION  
TRANSMITTAL

(Only for new nonprovisional applications under 37 C.F.R. § 1.53(b))

Attorney Docket No. 11-082

First Inventor or Application Identifier

WATANABE et al.

Title  
TIME MEASUREMENT APPARATUS, DISTANCE  
MEASUREMENT APPARATUS, AND CLOCK SIGNAL  
GENERATING APPARATUS USABLE THEREIN

Express Mail Label No.

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO:

Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

1. ☒ \* Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2. ☒ Specification [Total Pages 81]

-Descriptive title of the Invention

-Cross Reference to Related Applications

-Background of the Invention

-Summary of the Invention

-Brief Description of the Drawings

-Detailed Description of the Preferred Embodiment

-Claims

-Abstract of the Disclosure

3. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 11]
4. Oath or Declaration [Total Sheets 4]

- a. ☒ Newly executed (original or copy)
- b. ☐ Copy from a prior application (37 C.F.R. § 1.63 (d))  
(for continuation/divisional with Box 16 completed)
- i. ☐ DELETION OF INVENTOR(S)  
Signed statement attached deleting  
inventor(s) named in the prior application,  
see 37 C.F.R. §§ 1.63(a)(2) and 1.33(b).

NOTE: FOR ITEMS 1 & 2, IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY  
FEES, A SMALL ENTITY STATEMENT IS REQUIRED (37 C.F.R. § 1.21), EXCEPT  
IF ONE FILED IN A PRIOR APPLICATION IS RELIED UPON (37 C.F.R. § 1.28)

5. ☐ Microfiche Computer Program (Appendix)
6. Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)
- a. ☐ Computer Readable Copy
- b. ☐ Paper Copy (identical to computer copy)
- c. ☐ Statement verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS

7. ☒ Assignment Papers (cover sheet & document(s))
8. ☐ 37 C.F.R. § 3.73(b)  
Statement (when there is an assignee) ☐ Power of Attorney
9. ☐ English Translation Document (if applicable)
10. ☒ Information Disclosure Statement (IDS)/PTO-1449 ☒ Copies of IDS Citations
11. Preliminary Amendment
12. ☒ Return Receipt Postcard (MPEP 503)  
(should be specifically itemized)
13. ☐ Small Entity Statement(s) (PTO/SB-09-12) ☐ Statement filed in prior application,  
Status still proper and desired
14. ☒ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
15. Other: .....

16. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment:  
☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) or prior application No: .....

Prior application information: Examiner .....

Group/Art Unit: .....

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 4b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 17. CORRESPONDENCE ADDRESS

☒ Customer Number or Bar Code Label

(Insert Customer No. or Bar code label here)

or ☐ Correspondence address below

PATENT &amp; TRADEMARK OFFICE

Name

Address

City

Country

State

Zip Code

Telephone

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Name (Print/type)

CHARLES W. BETHARDS

Registration No. (Attorney/Agent)

36,453

Signature

Charles W. Bethards

Date

Apr. 5, 2002

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

# FEE TRANSMITTAL for FY 2002

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$)**816**

## Complete if Known

Application Number  
Filing Date **March 5, 2002**  
First Named Inventor **WATANABE et al.**  
Examiner Name  
Group/Art Unit  
Attorney Docket No. **11-082**

## METHOD OF PAYMENT (check one)

1. ☐ The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number **50-1147**

Deposit Account Name **LAW OFFICE OF DAVID G. POSZ**

☒ Charge Any Additional Fee Required Under 37 CFR 1.18 and 1.17

2. ☒ Payment Enclosed:

☒ Check ☐ Money Order ☐ Other

## FEE CALCULATION

### 1. BASIC FILING FEE

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
101 740 201	370	Utility filing fee	<b>740</b>
106 330 206	165	Design filing fee	
107 510 207	255	Plant filing fee	
108 740 208	370	Reissue filing fee	
114 160 214	80	Provisional filing fee	
SUBTOTAL (1)			<b>(\$ 740)</b>

### 2. EXTRA CLAIM FEES

Total Claims	Extra Claims	Fee from Below	Fee Paid
22	-20**	2	<b>18</b>
3	-3**	0	<b>84</b>
Multiple Dependent			

\*or number previously paid, if greater. For Reissues, see below

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description
103 18 203	9	Claims in excess of 20
102 84 202	42	Independent claims in excess of 3
104 280 204	140	Multiple dependent claim, if not paid
109 84 209	42	**Reissue independent claims over original patent
110 18 210	9	**Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$)**36**

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
105 130 205	65	Surcharge - late filing fee or oath	
127 50 227	25	Surcharge - late provisional filing fee or cover sheet	
139 130 139	130	Non-English specification	
147 2,520 147	2,520	For filing a request for reexamination	
112 920* 112	920*	Requesting publication of SIR prior to Examiner action	
113 1,840* 113	1,840*	Requesting publication of SIR after Examiner action	
115 110 215	55	Extension for reply within first month	
116 400 216	200	Extension for reply within second month	
117 920 217	460	Extension for reply within third month	
118 1440 218	720	Extension for reply within fourth month	
128 1960 228	980	Extension for reply within fifth month	
119 320 219	160	Notice of Appeal	
120 320 220	160	Filing a brief in support of an appeal	
121 280 221	140	Request for oral hearing	
138 1,510 138	1,510	Petition to institute a public use proceeding	
140 110 240	55	Petition to revive - unavoidable	
141 1,260 241	640	Petition to revive - unintentional	
142 1,260 242	640	Utility issue fee (or reissue)	
143 480 243	230	Design issue fee	
144 620 244	310	Plant issue fee	
122 130 122	130	Petitions to the Commissioner	
123 50 123	50	Petitions related to provisional applications	
126 180 126	180	Submission of information Disclosure Stmt	
581 40 581	40	Recording each patent assignment per property (times number of properties)	<b>40</b>
146 740 246	370	Filing a submission after final rejection (37 CFR § 1.129(a))	
149 740 249	370	For each additional invention to be examined (37 CFR § 1.129(b))	
Other fee (specify)			
Other fee (specify)			
*Reduced by Basic Filing Fee Paid			
SUBTOTAL (3)			<b>(\$ 40)</b>

## SUBMITTED BY

Name (Print/Type)	<b>CHARLES W. BETHARDS</b>	Registration No. (Attorney/Agent)	<b>36,453</b>	Complete (if applicable)	Telephone
Signature	<i>Charles W. Bethards</i>			Date	<b>Mar 5, 2002</b>

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

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DAVID G. POSZ  
CHARLES W. BETHARDS\*  
KERRY S. CULPEPPER

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March 5, 2002

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Hon. Commissioner of Patents and Trademarks  
Washington, D.C. 20231

Sir:

**OIPE HAND DELIVERY FILING CERTIFICATE**

**Applicant:** WATANABE et al.  
**For:** TIME MEASUREMENT APPARATUS, DISTANCE MEASUREMENT  
APPARATUS, AND CLOCK SIGNAL GENERATING APPARATUS USABLE  
THEREIN  
**Docket:** 11-082  
**Attorney:** Charles W. Bethards  
**Date of Deposit:** March 5, 2002

I hereby certify that this certificate and the following documents are being hand delivered to, and deposited with, the USPTO at the Customer Service Window, Office of Initial Patent Examination, Crystal Plaza Building 2, Room 1B03, 2011 South Clark Place, Arlington, VA 22202 on the above-indicated date, and are addressed to the Commissioner of Patents and Trademarks/Assistant Commissioner for Patents, Washington, D.C., 20231:

- return receipt postcard;
- transmittal form (2 copies);
- fee calculation form (2 copies);
- 81 page specification (22 numbered claims);
- 11 sheets of informal drawings;
- executed declaration/power of attorney;
- executed assignment with recordation cover sheet;
- IDS with PTO-1449 form and 13 references;
- 2 certified copy(ies) of priority document(s) (JP 2001-072140, JP 2001-072141); and
- check for \$816.

  
Charles W. Bethards  
Attorney For Applicant  
Reg. No. 36,453